

CLAIMS:

1. A method for patterning a ferroelectric polymer or oligomer layer comprising the steps of :

- providing a ferroelectric polymer or oligomer composition having a crosslinking agent,
- 5 - applying the ferroelectric polymer or oligomer composition to a substrate to form a ferroelectric polymer or oligomer layer on the substrate,
- selectively crosslinking a part of said ferroelectric polymer or oligomer layer, and
- removing uncrosslinked parts of said ferroelectric polymer or oligomer layer.

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2. A method according to claim 1, wherein the ferroelectric polymer or oligomer is a main chain polymer, a block copolymer or a side chain polymer.

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3. A method according to claim 1, wherein the ferroelectric polymer or oligomer layer comprises an at least partly fluorinated material.

4. A method according to claim 3, wherein the at least partly fluorinated polymer or oligomer material is selected from: $(CH_2-CF_2)_n$, $(CHF-CF_2)_n$ $(CF_2-CF_2)_n$ or combinations thereof to form (random) copolymers such as for example: $(CH_2-CF_2)_n-(CHF-CF_2)_m$ or $(CH_2-CF_2)_n-(CF_2-CF_2)_m$.

5. A method according to claim 1, wherein said crosslinking agent leads to an electron deficient intermediate.

25 6. A method according to claim 5, wherein said electron deficient intermediate is a radical, a carbene or a nitrene intermediate.

7. A method according to claim 5, wherein the crosslinking agent is a bisazide.

8. A method according to claim 1, wherein the spincoating solution furthermore comprises an organic solvent.

9. A method according to claim 8, wherein the organic solvent is 2-butanone.

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10. An electronic device comprising a patterned crosslinked ferroelectric layer.

11. The electronic device according to claim 10, wherein the electronic device is a capacitor.

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12. The electronic device according to claim 10, wherein the electronic device is a memory element.

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13. The electronic device according to claim 10, wherein the crosslinked ferroelectric layer is a radiation crosslinked, chemically crosslinked or heat activated crosslinked layer.